

## 四川老鹳草属二新种\*

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## TWO NEW SPECIES OF *GERANIUM* FROM SICHUAN, CHINA

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**Key words** *Geranium*; *G. solitarium*; *G. yaanense*; Sichuan

**关键词** 老鹳草属; 单药老鹳草; 雅安老鹳草; 四川

### 1 单花老鹳草 新种 图 1

*Geranium Solitarium* Z. M. Tan, sp. nov.

Species affinis *G. dahurico* DC., sed caulibus simplicibus, laminis late cordatis, lobis rhombico-cuneatis, supra medium 3~5-lobatis, lobulis ovato-deltatis, floribus solitariis, terminalibus vel foliis oppositis differt.

Herba perennis. Rhizoma obliquum, circ. 2.5 cm longum, 1.2 cm crassum, radicibus pluribus, manifeste inflatis, conicis, squamis membranaceis, deltato-lanceolatis, 0.6~1.2 cm longis, 3~6 mm latis, glabris instructum. Caules suberecti, circ. 19 cm alti, 1.5 mm crassi, retrorsum albo-pubescentes, internodiis 3.5~6.5 cm longis. Folia opposita vel subopposita; lamina late cordata, 3.5~4.2 cm longa, 4~6 cm lata, supra sparse puberula vel tantum ad nervos sparsim albo-puberula, subtus ad nervos sparse albo-puberula, cetero glabra, usque ad 2/3 palmato-5-lobata, lobis lateralibus minoribus, omnibus rhombico-cuneatis, supra medium 3~5-lobatis, lobulis ovato-deltoides, apice acutis, breviter mucronatis; petioli basales circ. 15 cm longi, caulini 2.6~6.5 cm longi, omnino retrorsum albo-puberuli; stipulae 4, membranaceae, brunneae, oblongae vel lanceolatae, albo-ciliatae. Flores solitarii, foliis oppositi vel terminales; pedicelli 7.5~11 cm longi, retrorsum albo-puberuli, praecipue densissime infra calycem, ebracteati vel 4-bracteati; bracteae ovatae,

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glabriusculae; sepala ovata, cum mucrone 1~1.2 cm longa, circ. 5 mm lata, mucrone circ. 1.5 mm longo. margine alba, membranacea, albo-ciliata, 3-nervata, glabra vel ad nervos

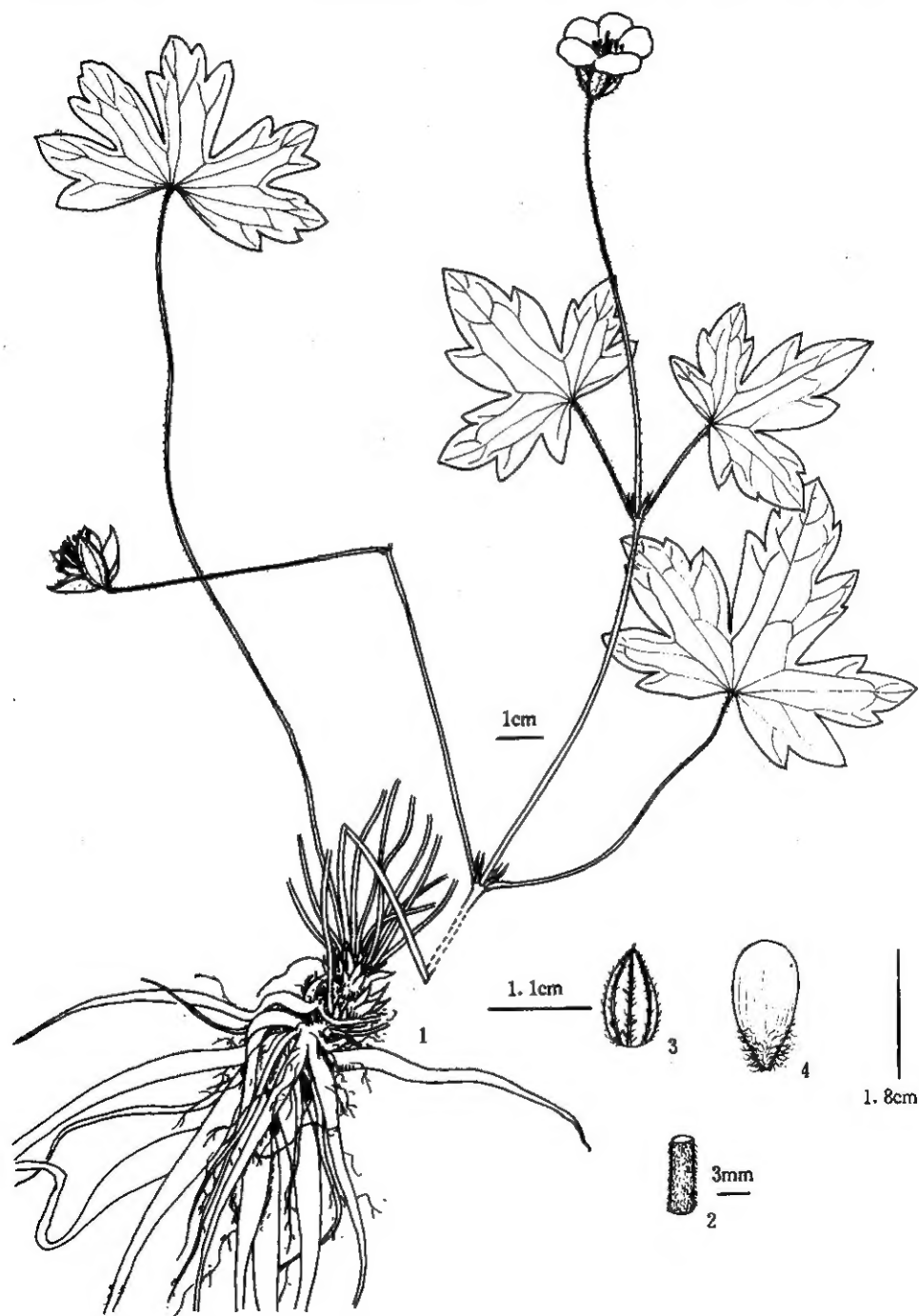


图1 单花老鹳草 1. 植株; 2. 茎; 3. 萼片; 4. 花瓣。(陈谦绘)

Fig.1 *Geranium solitarium* 1. plant; 2. stem; 3. sepal; 4. petal.

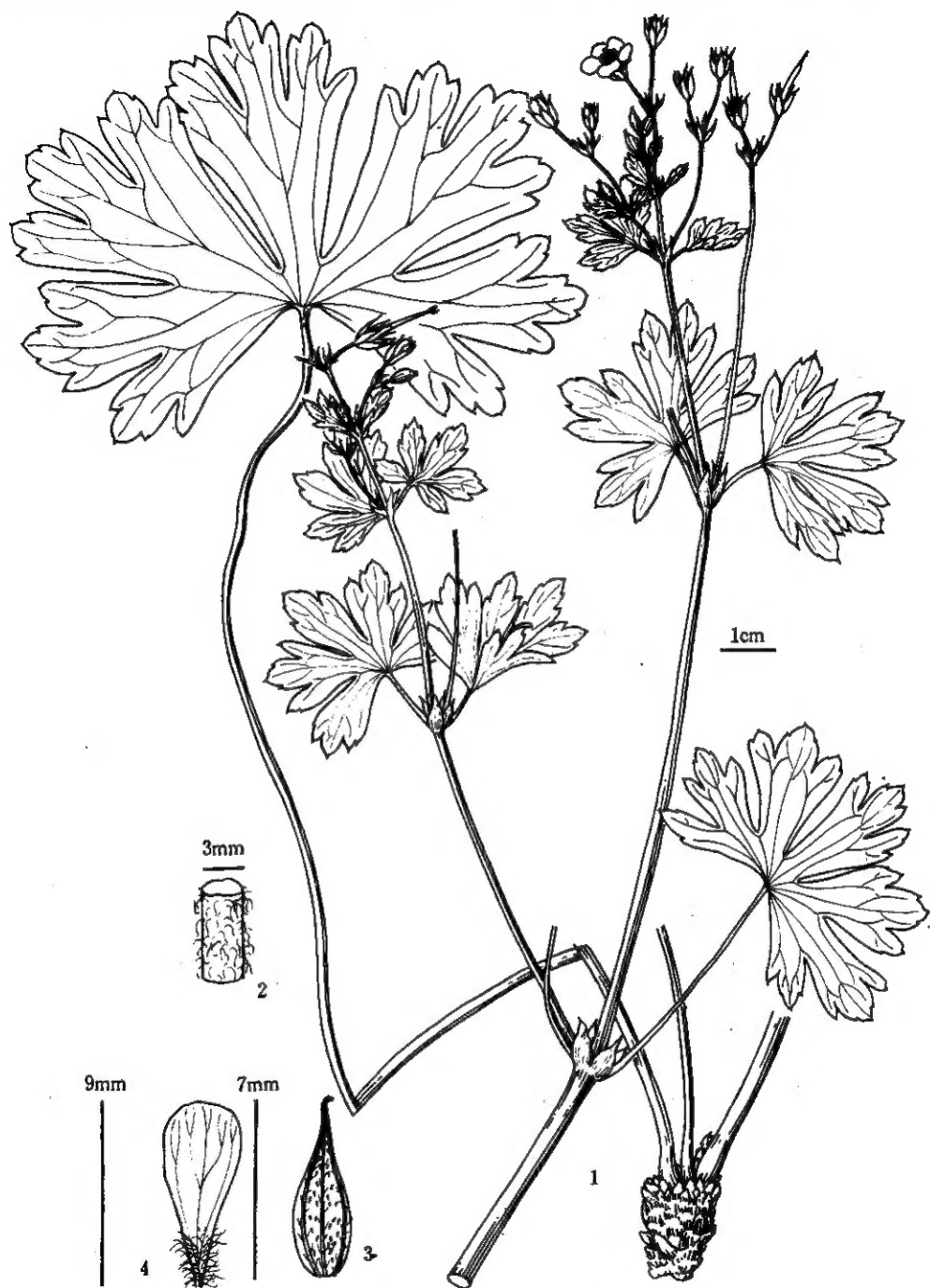


图2 雅安老鹳草 1. 植株; 2. 茎; 3. 萼片; 4. 花瓣。(陈谦绘)

Fig. 2 *Geranium yaanense* 1. plant; 2. stem; 3. sepal; 4. petal.

albo-puberula, cetero glabra; petala purpurea, longe obovata, circ. 1.8 cm longa, 6 mm lata, apice rotunda, inferne angustata, intus albe villosa; filamenta 7~9 mm longa, inferne albo-villosa, superne glabra; pistilla filamentis subaequilonga, dense albo-hirsuta, stigmatibus

5, glabris. Fructus ignotus.

**Sichuan**(四川): Pingwu(平武), Huya(虎牙), alt. 4500 m, 1978-07-21, Pingwu Exped. 636 (typus. SM)

本种与粗根老鹳草 *G. dahuricum* DC. 相近, 但本种茎不分枝, 叶片宽心形, 裂片菱状楔形, 中部 3~5 小裂, 小裂片卵状三角形, 单花顶生或与叶对生而不同。

## 2 雅安老鹳草 新种 图 2

*Geranium yaanense* Z. M. Tan, sp. nov.

Species affinis *G. fangii* R. Knuth, sed caulibus crispe albo-puberulis, laminis late reniformibus, lobis obovato-cuneatis, supra sparse adpresso-hirsutis, ad nervos crispe puberulis, subtus parve luteo-glandulosis, sepalis parve luteo-glandulosis, petalis albis differt.

Herba perennis. Rhizoma circ. 2 cm longum, 1.3 cm crassum, squamis ellipticis, glabris. Caules ascendentes, supra medium ramosi, circ. 30 cm alti, 3 mm crassi, crispe albo-puberuli, internodiis 4.5~18 cm longis. Folia opposita; lamina late reniformis, 2.5~5.5 cm longa, 4~11.5 cm lata, supra sparsim adpresso-hirsuta, ad nervos crispe puberula, subtus glabra, parve luteo-glandulosa, usque ad 3/5~4/5 palmato-5-lobata, lobis obovato-cuneatis, supra medium 3-lobatis, lobulis subcuneatis, apice 3~5-dentatis, dentibus oblongis vel deltoideis, breviter mucronatis; petioli basales circ. 24 cm longi, caulini 0.5~4 cm longi, omnino crispo-puberuli; stipulae 4, late ovato-lanceolatae, circ. 5 mm longae, 6 mm latae, albo-ciliatae. Inflorescentiae biflorae, terminales vel axillares, pedunculi 1~5 cm longi, cum pedicellis inaequalibus crispe puberuli; bracteae 4, deltoideo-lanceolatae, 4~5 mm longae, 1~1.5 mm latae, margine sparse ciliatae; sepala oblonga vel ovato-lanceolata, cum mucrone 6~7 mm longa, 1.5~2.5 mm lata, margine membranacea, 3-nervata, ad nervos sparse pilosa, cetero parve luteo-glandulosa; petala alba, longe obovata, circ. 9 mm longa, 4 mm lata, apice rotunda, inferne angustata, albo-villosa; filamenta 6~7 mm longa, superne glabra, inferne albo-villosa; pistilla filamentis subaequilongae, dense breviter albo-hirsuta, stigmatis 5, glabris. Fructus suberectus, rostratus, circ. 1.7 cm longus; valvulae albo-puberulae; semina oblonga, luteo-brunnea, circ. 1.5 mm longa, subtiliter reticulata.

**Sichuan**(四川): Yaan(雅安), Xiatian(下田), alt. 1500 m, 1978-09-19, Yaan Exped. 1130 (typus, SM).

本种与四川老鹳草 *G. fangii* R. Knuth 相近, 但本种茎被卷曲微柔毛, 叶片宽肾形, 裂片倒卵状楔形, 上面疏生硬伏毛, 沿叶脉被卷曲微柔毛, 下面具小的黄色腺毛, 花萼具小的黄色腺毛, 花瓣白色而不同。